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First Named Inventor

Andrei S. Dukhin

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H.A. Stone, S. Kim "Microfluidics: Basis Issues, Applications and Challenges", AIChE Journal, vol. 47, 6, pp.1250-1254, 2001;

D.R. Reyes, D. Iossifidis, P.A. Auroux, A. Manz "Micro Total Analysis Systems. Introduction, Theory and Technology", Anal. Chem, 74, 2623-2636, 2002;

G.W. Whitesides, A.D. Stroock, "Flexible Methods for Microfluidics", Physics Today, 42-48, June 2001.

A. Ajdari "Pumping liquids using asymmetric electrode arrays", Physical Review E, vol.61, 1, pp. 45-48, 2000,

A.B.D. Brown, C.G. Smith, and A.R. Rennie "Pumping of water with ac electric fields applied to asymmetric pairs of microelectrodes", Physical Review E, vol.63, 016305, 2000.

S.S. Dukhin, A.K. Vidybida, A.S. Dukhin and A.A. Serikov "Aperiodic Electrophoresis. Directed drift of dispersed particles in a uniform anharmonic alternating electric field", Kolloidnyi Zh., vo.49, 5, 752-755, 1988

S.S. Dukhin, B.V. Derjaguin, "Electrokinetic Phenomena" in "Surface and Colloid Science", E. Matijevic (Ed.), John Wiley & Sons, NY, v.7 (1974))

J. Lyklema, "Fundamentals of Interface and Colloid Science", vol. 1-3, Academic Press, London-NY, (1995-2000)

A.S. Dukhin "Biospecific mechanism of double layer formation and peculiarities of cell electrophoresis", Colloids and Surfaces A, 73, pp.29-48, 1993.

S.S. Dukhin, V.N. Shilov "Dielectric phenomena and the double layer in dispersed systems and polyelectrolytes", John Wiley and Sons, NY, (1974)):

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